

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number
WO 2005/030240 A2

(51) International Patent Classification: **A61K 38/00**

(21) International Application Number:
PCT/US2004/031318

(22) International Filing Date:
23 September 2004 (23.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/505,607 23 September 2003 (23.09.2003) US
10/669,176 23 September 2003 (23.09.2003) US

(71) Applicants (for all designated States except US): LUD-
WIG INSTITUTE FOR CANCER RESEARCH
[US/US]; 605 Third Avenue, New York, NY 10158 (US).
LICENTIA LTD. [FI/FI]; Erottajankatu 19 B, 6th Floor,
FIN-00130 Helsinki (FI). INSERM [FR/FR]; Inserm
U495, Hôpital de la Salpêtrière, F-75651 Paris Cedex 13
(FR).

(72) Inventors; and
(75) Inventors/Applicants (for US only): ALITALO,
Karl [FI/FI]; Molecular Cancer Biology Laboratory,
Biomedicum Helsinki, P.O.B. 63 (Haartmaninkatu
8), FIN-00014 Helsinki (FI). KARKKAINEN,
Marika [FI/FI]; Molecular Cancer Biology Labora-
tory, Biomedicum Helsinki, P.O.B. 63 (Haartmaninkatu
8), FIN-00014 Helsinki (FI). HAIKO, Paula [FI/FI];
Molecular Cancer Biology Laboratory, Biomedicum
Helsinki, P.O.B. 63 (Haartmaninkatu 8), FIN-00014
Helsinki (FI). SAINIO, Kirsi [FI/FI]; Molecular Cancer
Biology Laboratory, Biomedicum Helsinki, P.O.B. 63
(Haartmaninkatu 8), FIN-00014 Helsinki (FI). WARTIO-
VAARA, Kirsi [FI/FI]; Molecular Cancer Biology

Laboratory, Biomedicum Helsinki, P.O.B. 63 (Haar-
maninkatu 8), FIN-00014 Helsinki (FI). THOMAS,
Jean, Leon [FR/FR]; Inserm, Inserm U495, Hôpital de la
Salpêtrière, F-75651 Paris Cedex 13 (FR). EICHMANN,
Anne [FR/FR]; Inserm, Inserm U495, Hôpital de la
Salpêtrière, F-75651 Paris Cedex 13 (FR).

(74) Agent: GASS, David, A.; Marshall, Gerstein & Borun
LLP, 6300 Sears Tower, 233 South Wacker Drive, Chicago,
IL 60606 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: VEGE-COR VEGE-D MATERIALS AND METHODS FOR STIMULATION OF NEURAL STEM CELLS

(57) Abstract: The present invention relates to VEGF-C or VEGF-D materials and methods for promoting growth and differentiation of neural stem cells, neuronal and neuronal precursor cells, oligodendrocytes and oligodendrocyte precursor cells and materials and methods for administering said cells to inhibit neuropathology.